



Dr. Simona Greculeasa is a young researcher 3-rd degree at the National Institute of Materials Physics, Romania with the Magnetism and Superconductivity Group. With an experience in research of 9 years, Simona has authored 24 ISI research publications (more than 50% as first or corresponding author and more than 80% focused on Mössbauer spectroscopy results) and 2 book chapters. Her H index is 9; see also: <https://www.researchgate.net/profile/Simona-Greculeasa>.

Her research interest is in the field of magnetic systems at nanoscale studied by various methods including specific Moessbauer spectroscopy and magnetometry techniques. She focused on Fe-based alloys and oxides as thin films, multilayers, ribbons, nanowires, nanoparticles and nanocomposites as well as Fe-based superconductor single crystals. The following aspects were envisaged: spin configuration at interfaces, exchange bias, exchange spring, magnetic texture, self-passivating alloys, Warren-Cowley parameters, interplay between magnetism and structure, enhanced functionalities in heterogeneous multiferroic and core-shell nanosystems.